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Certificate

This is to certify that the **human embryonic stem cell line (KIe019-A-1)** has been registered in the European Human Pluripotent Stem Cell Registry (hPSCreg): https://hpscreg.eu/cell-line/KIe019-A-1

| □ Type cell line                           | : | Human embryonic stem cell                 |
|--|---|---|
| □ hPSCreg name                             | : | KIe019-A-1                                |
| $\Box$ Other name                          | : |   |
| □ Provider                                 | : | Karolinska Institutet - Stem Cell Labora- |
|  |   | tory                                      |
| Country                                    | : | Sweden                                    |
| Derivation date                            | : | Unknown                                   |
| □ Disease                                  | : | Unknown                                   |
| Evidence of Pluripotency                   | : | Yes                                       |
| □ Evidence for Ethical Provenance provided | : | Yes                                       |

The registered information provides evidence that:

- The line has been derived with full informed consent of the donor
- No undue inducement has been provided for donation
- The embryo was not generated solely for research purposes

The Registry confirms that line KIe019-A-1 complies to the rules set by the European Commission for funding of research with human embryonic stem cells.

Date 20.1.2021 Andreas Kurtz hPSCreg Coordinator

This document was issued electronically and is valid without signature.